

10/562154

Atty. Dkt. No. 016906-0459

JC10 Rec'd PCT/PTO 23 DEC 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Snjezana BOGER et al.

Title: FLUXING AGENT FOR SOLDERING METAL COMPONENTS

Appl. No.: Unassigned

Filing Date: 12/23/2005

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

RELEVANCE OF EACH DOCUMENT

The relevance of non-English language documents A11-A16 is described in the present specification.

Documents A9-A13, A17 and A18 listed on the attached PTO/SB/08 were cited as being relevant during a search of the corresponding International application. A copy of the International Search Report setting forth the portion of each reference considered relevant by the examiner is attached.

Documents A1, A10 and A14 belong to the same "patent family," whereby the English language document may assist the PTO in understanding the content of the non-English language document.

Documents A2 and A11 belong to the same "patent family," whereby the English language document may assist the PTO in understanding the content of the non-English language document.

Documents A3, A8 and A13 belong to the same "patent family," whereby the English language document may assist the PTO in understanding the content of the non-English language document.

Documents A7 and A12 belong to the same "patent family," whereby the English language document may assist the PTO in understanding the content of the non-English language document.

Unless otherwise indicated, no English translation is readily available (not considering machine-generated translations that may be freely available online, to both the Applicant and the PTO) for each of the non-English language documents. However, a commercially available English language abstract is provided herewith, where indicated on the attached Form PTO/SB/08. Inasmuch as Applicants have endeavored to provide at least one item that complies with the requirement for a "concise explanation of relevance" for each of the non-

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English language documents, each of these documents has been submitted in compliance with the PTO requirements and should be considered by the Examiner (37 CFR §1.97, §1.98 and MPEP §609).

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date December 23, 2005

By Richard L. Schwaab

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT                          |   |    |   | Application Number     | Unassigned 10/562154 |
| Date Submitted: December 23, 2005<br>(use as many sheets as necessary) |   |    |   | Filing Date            | 12/23/2005           |
|  |   |    |   | First Named Inventor   | Snjezana BOGER       |
|  |   |    |   | Group Art Unit         | Unassigned           |
|  |   |    |   | Examiner Name          | Unassigned           |
| Sheet  | 1 | of | 2 | Attorney Docket Number | 016906-0459          |

| U.S. PATENT DOCUMENTS |                       |                      |                                   |   |  |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|
| Examiner Initials*    | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY |
|                       |                       | Number               | Kind Code <sup>2</sup> (if known) |   |  |
| A1                    | 6,880,746             | B1                   |                                   | SESEKE-KOYRO ET AL.                             | 04-19-2005                                       |
| A2                    | 6,432,221             | B1                   |                                   | SESEKE-KOYRO ET AL.                             | 08-13-2002                                       |
| A3                    | 3,971,501             |                      | COOKE                             |   | 07-27-1976                                       |
| A4                    | 5,795,659             |                      | MEELU ET AL.                      |   | 08-18-1998                                       |
| A5                    | 5,962,145             |                      | MATSUKAWA                         |   | 10-05-1999                                       |
| A6                    | 5,518,555             |                      | OUYANG ET AL.                     |   | 05-21-1996                                       |
| A7                    | 2002/0070263          | A1                   | SESEKE-KOYRO ET AL.               |   | 06-13-2002                                       |

| FOREIGN PATENT DOCUMENTS |                       |                         |                     |  |  |
|--------------------------|-----------------------|-------------------------|---------------------|--|--|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document |                     | Name of Patentee or Applicant of Cited Documents | Date of Publication of Cited Document MM-DD-YYYY |
|                          |                       | Office <sup>3</sup>     | Number <sup>4</sup> |  |  |
|                          | A8                    | GB                      | 1 542 323           | ALCAN RESEARCH & DEVELOPMENT LTD.                | 03-14-1979                                       |
|                          | A9                    | WO                      | 03/072288           | A1 INFINEON TECHNOLOGIES AG                      | 09-04-2003                                       |
|                          | A10                   | WO                      | 01/74530            | A1 SOLVAY FLUOR UND DERIVATE GMBH                | 10-11-2001                                       |
|                          | A11                   | DE                      | 199 13 111          | A1 SOLVAY FLUOR & DERIVATE GMBH                  | 09-30-1999                                       |
|                          | A12                   | WO                      | 00/73014            | A1 SOLVAY FLUOR UND DERIVATE GMBH                | 12-07-2000                                       |
|                          | A13                   | DE                      | 26 14 872           | A1 ALCAN RESEARCH & DEVELOPMENT LTD.             | 10-14-1976                                       |
|                          | A14                   | DE                      | 100 15 486          | A1 SOLVAY FLUOR & DERIVATE GMBH                  | 10-11-2001                                       |
|                          | A15                   | EP                      | 1 154 042           | A1 NIPPON PAINT CO., LTD., ET AL.                | 11-14-2001                                       |
|                          | A16                   | EP                      | 0 659 519           | B1 DENSO CORP.                                   | 09-19-2001                                       |

| NON PATENT LITERATURE DOCUMENTS |                       |  |  |  |  |
|---------------------------------|-----------------------|--|--|--|--|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |  |  |
|                                 | A17                   | Patent Abstract, CN 1 413 797, Univ. Harbin Polytechnic, 04-30-2003.   |  |  |  |

|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: December 23, 2005

(use as many sheets as necessary)

**Complete if Known**

|                             |                        |
|-----------------------------|------------------------|
| <b>Application Number</b>   | Unassigned 10 / 562154 |
| <b>Filing Date</b>          | 12/23/2005             |
| <b>First Named Inventor</b> | Snjezana BOGER         |
| <b>Group Art Unit</b>       | Unassigned             |
| <b>Examiner Name</b>        | Unassigned             |

|       |   |    |   |                        |             |
|-------|---|----|---|------------------------|-------------|
| Sheet | 2 | of | 2 | Attorney Docket Number | 016906-0459 |
|-------|---|----|---|------------------------|-------------|

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>6</sup> |
|--------------------|-----------------------|--|----------------|
|                    | A18                   | D.C. Lin et al., "An investigation of nanoparticles addition on solidification kinetics and microstructure development of tin-lead solder," Materials Science Engineering, Bd. A 360, November 15, 2003, page 285-292.   |                |
|                    |                       |  |                |
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